Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Date\_\_\_\_\_\_\_\_\_\_\_

**Weather Instrument Project**

**Part 1: Research and plan construction of assigned weather instrument**

* Conduct research on assigned weather instrument, plan what you will use, how your group will make it, and who will be responsible for finding or buying supplies needed (you may use what we have available in the classroom, but may need to bring items from home)

**Part 2: Construct assigned weather instrument**

* Construct assigned weather instrument, test, record steps so that somebody else could build it if they wanted to, test to see that it works, discuss and record how it works and why it works (a written copy will be turned in to me)
* Research and summarize how and why scientists use this instrument in the field (a written copy will be turned in to me)

**Part 3: Present your assigned instrument to the class**

* Prepare a ten minute presentation on how you constructed your weather instrument, what materials you used, how it works and why it works, and how and why scientists use it in the field

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| **Due Date** | **Pacing: Deadlines for completion** |  |
| Monday 9/19 | Conduct research, plan how your group will make your weather instrument, decide who will be responsible for finding or buying supplies |  |
| Wednesday 9/21 | Supplies for weather instrument are due. Construct weather instrument. Record steps as you make it. |  |
| Thursday 9/22 | Test your weather instrument, discuss and record how it works and why it works. Research and summarize how and why scientists use this instrument in the field. |  |
| Friday 9/23 | Plan and practice presentations. |  |
| Monday 9/26 | Presentation day. |  |

The following information must be included in your presentation to receive full credit.

1. Name of your weather instrument
2. What your instrument measures
3. A thorough explanation of what you used to make it and how you made it
4. A thorough explanation of how it works and why it works
5. A through explanation of how and why scientists use it in the field
6. Demonstration of how it works (if possible)